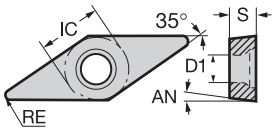
nikkoTOOLS

VB

PCBN
Positive



2 edges

Size	IC	S	D1	AN
1103□□	6.35	3.18	2.80	5°
1604□□	9.525	4.76	4.40	5°

ISO513	BL NBL050C	BL NBL150C	BL NBL250C	BL NBL350C	BH NBH450C	BH NBH500C	BH NBH900U	BH NBH950U
P		80 240			140 300			
M								
K					400 1200	300 1400	200 1200	180 1000
N								
S								
H	120 240	100 220	80 200	60 160	60 160	60 180	40 180	40 160

◀ SINTERED POWDER METAL

GRADE APPLICATION AREA	Stable machining, continuous cut
■ main application	General machining, light interruption
■ applicable	Unstable machining, interrupted cut

Hardness: + / –; Toughness: – / +

SHARP	SE H	VBGW	110302S-SE-2S	RE 0.2	a_p ▸ 0.05 **0.10** 0.15 f_n ▸ 0.04 **0.06** 0.08		●																					
			110304S-SE-2S	RE 0.4	a_p ▸ 0.05 **0.10** 0.15 f_n ▸ 0.04 **0.08** 0.12	●	●																				
		VBGW	160402S-SE-2S	RE 0.2	a_p ▸ 0.05 **0.10** 0.15 f_n ▸ 0.04 **0.06** 0.08		●																				
			160404S-SE-2S	RE 0.4	a_p ▸ 0.05 **0.10** 0.15 f_n ▸ 0.04 **0.08** 0.12	●	●																				
			160408S-SE-2S	RE 0.8	a_p ▸ 0.05 **0.10** 0.15 f_n ▸ 0.05 **0.10** 0.15	●	●																				
UNIVERSAL	UE H	VBGW	110302S-UE-2S	RE 0.2	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.05 **0.10** 0.15		○																					
			110304S-UE-2S	RE 0.4	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.06 **0.12** 0.18	●	●	●																			
		VBGW	160402S-UE-2S	RE 0.2	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.05 **0.10** 0.15		●																				
			160404S-UE-2S	RE 0.4	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.06 **0.12** 0.18	●	●	●																			
			160408S-UE-2S	RE 0.8	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.06 **0.13** 0.20	●	●	●																			
	UE K H tip with carbide backed	VBGW	160404S-UE-2C	RE 0.4	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.06 **0.12** 0.18					○																		
			160408S-UE-2C	RE 0.8	a_p ▸ 0.06 **0.13** 0.20 f_n ▸ 0.06 **0.13** 0.20					○																		
REINFORCED	RE H	VBGW	160404S-RE-2S	RE 0.4	a_p ▸ 0.08 **0.16** 0.25 f_n ▸ 0.06 **0.13** 0.20				○																			
			160408S-RE-2S	RE 0.8	a_p ▸ 0.08 **0.16** 0.25 f_n ▸ 0.06 **0.14** 0.22				○																			
	RE K H tip with carbide backed	VBGW	160404S-RE-2C	RE 0.4	a_p ▸ 0.08 **0.16** 0.25 f_n ▸ 0.06 **0.13** 0.20					○*																		
			160408S-RE-2C	RE 0.8	a_p ▸ 0.08 **0.16** 0.25 f_n ▸ 0.06 **0.14** 0.22					○*																		

● stock standard, ○ non-standard stock

* uncoated (NBH450U)

HOLDERS EXTERNAL p. 149
HOLDERS INTERNAL p. 152